Project Title	Funding	Strategic Plan Objective	Institution
Synchronous activity in networks of electrically coupled cortical interneurons	$0	Q2.Other	University of California, Davis
CAREER: Integrative behavioural and neurophysiological studies of normal and autistic cognition using video game environments	$0	Q2.Other	Cornell University
Multisensory processing in autism	$0	Q2.Other	Baylor College of Medicine
Examining connectivity patterns of brain networks participating in social cognition in ASD	$0	Q2.Other	San Diego State University
Spatial attention in autism spectrum disorders	$0	Q2.Other	New York University
Face perception: Mapping psychological spaces to neural responses	$0	Q2.Other	Stanford University
Investigation of social brain circuits and fever-evoked response in 16p11.2 mice	$0	Q2.Other	Cold Spring Harbor Laboratory
Behavioral and neural correlates of reward motivation in children with autism spectrum disorders	$0	Q2.Other	University of North Carolina at Chapel Hill
Role of Serotonin Signaling during Neural Circuitry Formation in Autism Spectrum Disorders	$0	Q2.S.D	Massachusetts Institute of Technology
Engagement of Social Cognitive Networks during Game Play in Autism	$0	Q2.Other	Duke University
Linking circuit dynamics and behavior in a rat model of autism	$0	Q2.S.D	University of California, San Francisco
Regulation of Interneuron Development in the Cortex and Basal Ganglia by Coup-TF2	$0	Q2.Other	University of California, San Francisco
Development of a connectomic functional brain imaging endophenotype of autism	$13,634	Q2.Other	University of Cambridge
Brain-behavior interactions and visuospatial expertise in autism: a window into the neural basis of autistic cognition	$14,800	Q2.Other	Hospital Riviere-des-Praires, University of Montreal, Canada
Neural underpinning of emotion perception and its disorders	$15,000	Q2.Other	Dartmouth College
The Role of Shank3 in Neocortex Versus Striatum and the Pathophysiology of Autism	$25,000	Q2.S.G	Duke University
GABA and Gamma-band Activity: Biomarker for ASD?	$25,000	Q2.S.D	University of Pennsylvania
The neural basis of weak central coherence in autism spectrum disorders	$26,080	Q2.Other	Yale University
The neural bases of top-down attentional control in autism spectrum disorders	$27,578	Q2.Other	City College of New York
Stimulus preceding negativity and social stimuli in autism spectrum disorder	$28,580	Q2.Other	University of California, San Diego
Electrophysiologic biomarkers of language function in autism spectrum disorders	$28,600	Q2.L.B	University of California, Los Angeles
Thalamocortical connectivity in children and adolescents with ASD-A combined fcMRI and DTI approach	$28,600	Q2.Other	San Diego State University
Neural Correlates of Imitation in Children with Autism and their Unaffected Siblings	$28,600	Q2.L.B	Harvard University

Project Title	Funding	Strategic Plan Objective	Institution
Using fMRI to understand the Neural Mechanisms of Pivotal Response Treatment	$29,500	Q2.L.B	University of California, Santa Barbara
Functional Connectivity during Working Memory in Children with ASD: A NIRS Study	$29,500	Q2.Other	Georgetown University
Behavioral and neural responses to emotional faces in individuals with ASD	$29,871	Q2.Other	Harvard University
Probing the temporal dynamics of aberrant neural communication and its relation to social processing deficits in autism spectrum disorders	$29,987	Q2.Other	University of Pittsburgh
Investigating brain organization and activation in autism at the whole-brain level	$30,000	Q2.Other	California Institute of Technology
Behavioral, fMRI, and anatomical MRI investigations of attention in autism	$49,214	Q2.Other	Massachusetts Institute of Technology
Social reward in autism: Electrophysiological, behavioral, and clinical correlates	$51,400	Q2.Other	Seattle Childrens Hospital
The role of UBE3A in autism: Is there a critical window for social development?	$54,450	Q2.S.D	Erasmus University Medical Center
Mapping functional connectivity networks in autism spectrum disorder with diffuse optical tomography	$56,900	Q2.Other	Washington University in St. Louis
Amygdala circuitry of impaired social-emotional behavior in autism	$58,488	Q2.Other	Rosalind Franklin University of Medicine and Science
Imaging-based real-time feedback to enhance therapeutic intervention in ASD	$59,825	Q2.L.B	Stanford University
Role of myelinating cells in autism spectrum disorders	$60,000	Q2.S.G	University of California, San Francisco
Altered sensorimotor processing in a mouse model of autism	$60,000	Q2.Other	Louisiana State University School of Veterinary Medicine
Cortico-striatal dysfunction in the eIF4E transgenic mouse model of autism	$61,999	Q2.S.D	New York University
Mapping functional neural circuits that mediate social behaviors in autism	$62,500	Q2.Other	Duke University Medical Center
Linking genetic mosaicism, neural circuit abnormalities and behavior	$62,500	Q2.S.D	Brown University
Hippocampal mechanisms of social learning in animal models of autism	$62,500	Q2.Other	Baylor College of Medicine
Genetic contribution to language-related preclinical biomarkers of autism	$63,513	Q2.S.D	University of Pennsylvania
Cognitive control of emotion in autism	$102,004	Q2.Other	University of Pittsburgh
Local functional connectivity in the brains of people with autism	$108,297	Q2.L.B	Massachusetts General Hospital
Social interaction and reward in autism: Possible role for ventral tegmental area	$124,936	Q2.Other	University of Geneva
Probing the neural basis of social behavior in mice	$125,000	Q2.S.D	Massachusetts Institute of Technology

Project Title	Funding	Strategic Plan Objective	Institution
Local connectivity in altered excitation/inhibition balance states	$125,000	Q2.Other	Weizmann Institute of Science
Multimodal imaging of social brain networks in ASD	$148,945	Q2.Other	San Diego State University
Neurobehavioral investigation of tactile features in autism spectrum disorders	$161,107	Q2.Other	Vanderbilt University Medical Center
Determining the role of GABA in four animal models of autism	$166,895	Q2.Other	Neurochlore
Structural and functional connectivity of large-scale brain networks in autism	$168,978	Q2.Other	Stanford University
Brain Systems Supporting Learning and Memory in Children with Autism	$173,607	Q2.Other	Stanford University
EEG-based assessment of functional connectivity in autism	$175,176	Q2.Other	Kennedy Krieger Institute
Influence of attention and arousal on sensory abnormalities in ASD	$186,000	Q2.Other	University of California, San Diego
Testing the hyperspecificity hypothesis: A neural theory of autism	$189,836	Q2.Other	Children's Hospital of Philadelphia
Neural mechanisms underlying autism behaviors in SCN1A mutant mice	$194,903	Q2.S.D	University of Washington
Corticothalamic circuit interactions in autism	$200,000	Q2.Other	Boston Children's Hospital
The neural substrates of higher-level learning in autism	$221,760	Q2.Other	University of California, Davis
Investigating brain connectivity in autism at the whole-brain level	$232,307	Q2.Other	Indiana University
Novel regulatory network involving non-coding role of an ASD candidate gene PTEN	$240,480	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
CLARITY: circuit-dynamics and connectivity of autism-related behavior	$248,468	Q2.Other	Stanford University
Controlling Interareal Gamma Coherence by Optogenetics, Pharmacology and Behavior	$248,999	Q2.Other	Princeton University
Functional connectivity in autism spectrum disorders	$251,250	Q2.Other	Children's Hospital of Philadelphia
Neural synchronydysfunction of gamma oscillations in autism	$254,470	Q2.Other	University of Colorado Denver
Dysfunction of sensory inhibition in autism	$258,134	Q2.Other	Johns Hopkins University
Neuronal basis of vicarious reinforcement dysfunction in autism spectrum disorder	$297,527	Q2.Other	Duke University
Alterations in brain-wide neuroanatomy in autism mouse models	$300,000	Q2.Other	Cold Spring Harbor Laboratory
ACE Center: Ontogeny and neural basis of social visual engagement in monkeys	$304,370	Q2.Other	Emory University
Vasopressin receptor polymorphism and social cognition	$310,085	Q2.Other	Georgia State University

Project Title	Funding	Strategic Plan Objective	Institution
Behavioral and neural processing of faces and expressions in nonhuman primates	$334,541	Q2.Other	Emory University
Neuroimaging of top-down control and bottom-up processes in childhood ASD	$371,791	Q2.Other	Georgetown University
Networked cortical responses to movement associated with ASD	$384,222	Q2.Other	University of Washington
Social brain networks for the detection of agents and intentions	$399,300	Q2.Other	Yale University
Neural markers of shared gaze during simulated social interactions in ASD	$416,250	Q2.Other	Yale University
Cell adhesion molecules in autism: A whole-brain study of genetic mouse models	$448,320	Q2.Other	Cold Spring Harbor Laboratory
BRAIN MECHANISMS OF AFFECTIVE LANGUAGE COMPREHENSION IN AUTISM SPECTRUM DISORDERS	$506,507	Q2.Other	University of Maryland, College Park
Brain bases of language deficits in SLI and ASD	$583,471	Q2.Other	Massachusetts Institute of Technology
Genome-wide identification of variants affecting early human brain development	$590,292	Q2.S.G	University of North Carolina at Chapel Hill
Functional connectivity substrates of social and non-social deficits in ASD	$719,629	Q2.Other	Massachusetts General Hospital
Longitudinal MRI study of brain development in fragile X	$748,506	Q2.S.D	Stanford University
The cognitive neuroscience of autism spectrum disorders	$997,922	Q2.Other	National Institutes of Health
Functional anatomy of face processing in the primate brain	$1,555,641	Q2.Other	National Institutes of Health
ACE Network: Multimodal developmental neurogenetics of females with ASD	$2,670,192	Q2.S.B	Yale University